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**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Application of Pacific Gas and Electric Company for Compliance Review of Utility Owned Generation Operations, Electric Energy Resource Recovery Account Entries, Contract Administration, Economic Dispatch of Electric Resources, Utility Owned Generation Fuel Procurement, Diablo Canyon Seismic Studies Balancing Account, and Other Activities for the Period January 1 Through December 31, 2018.

(U 39 E)

Application 19-02-_____

**APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)
FOR COMPLIANCE REVIEW OF UTILITY OWNED GENERATION OPERATIONS,
ELECTRIC ENERGY RESOURCE RECOVERY ACCOUNT ENTRIES,
CONTRACT ADMINISTRATION, ECONOMIC DISPATCH OF ELECTRIC
RESOURCES, UTILITY OWNED GENERATION FUEL PROCUREMENT,
DIABLO CANYON SEISMIC STUDIES BALANCING ACCOUNT, AND OTHER
ACTIVITIES FOR THE PERIOD JANUARY 1 THROUGH DECEMBER 31, 2018**

JENNIFER K. POST
KRISTIN D. CHARIPAR

Pacific Gas and Electric Company
77 Beale Street, B30A
San Francisco, CA 94105
Telephone: (415) 973-6117
Facsimile: (415) 973-5520
E-Mail: Kristin.Charipar@pge.com

Dated: February 28, 2019

Attorneys for
PACIFIC GAS AND ELECTRIC COMPANY

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I. INTRODUCTION

Pacific Gas and Electric Company (PG&E) submits this Application for Energy Resource Recovery Account (ERRA) compliance review for the record period January 1 through December 31, 2018 (2018 ERRA Compliance), pursuant to California Public Utilities Code Section 454.5(d), Rules 2.1 and 3.2 of the Rules of Practice and Procedure of the California Public Utilities Commission (Commission), and relevant Commission decisions. PG&E respectfully requests that the Commission find that during the record period PG&E has complied with its Commission-approved Bundled Procurement Plan (BPP) in the areas of fuel procurement, administration of power purchase contracts, greenhouse gas compliance instrument procurement, and least-cost dispatch of electric generation resources. PG&E requests that the Commission find that during the record period PG&E has managed its utility-owned generation (UOG) facilities reasonably.

PG&E requests that the Commission find that the record period expenditures in the Diablo Canyon Seismic Studies Balancing Account (DCSSBA) and the Green Tariff Shared

Renewables Memorandum Account (GTSRMA) were reasonable, and that the record period entries in the ERRA and Green Tariff Shared Renewables Balancing Account (GTSRBA) were consistent with applicable tariffs and Commission directives.

PG&E also requests that the Commission approve the cost recovery proposed in PG&E's Prepared Testimony, which is being provided concurrent with this Application. Specifically, PG&E is seeking recovery of revenue requirements totaling \$4.690 million for Diablo Canyon seismic study costs, reflecting the actual recorded costs presented in the DCSSBA plus interest and an amount for Revenue Fees and Uncollectibles (RF&U). The RF&U amount will be updated to reflect the RF&U factor in effect at the time the Commission approves a decision in this filing.

II. BACKGROUND

In 2002, the California Legislature and the Commission established the regulatory framework for PG&E, Southern California Edison Company (SCE), and San Diego Gas & Electric Company (SDG&E) (collectively, the utilities) to resume electricity procurement, beginning January 1, 2003. Public Utilities Code Section 454.5(d)(2) provided for a procurement plan that would:

Eliminate the need for after-the-fact reasonableness reviews of an electrical corporation's actions in compliance with an approved procurement plan, including resulting electricity procurement contracts, practices, and related expenses. However, the commission may establish a regulatory process to verify and assure that each contract was administered in accordance with the terms of the contract, and contract disputes which may arise are reasonably resolved.

In Decision (D.) 02-10-062, the Commission implemented Section 454.5(d) by establishing ERRA balancing accounts for PG&E and the other utilities, requiring the utilities to track fuel and purchased power revenues against actual recorded costs,^{1/} and to establish an

^{1/} The ERRA records energy costs associated with serving bundled electric customers. These costs include post-2002 contracted resource costs, fuel costs of PG&E-owned generation resources, qualifying facility (QF) and purchased power costs, and other electric procurement costs such as natural gas hedging and collateral costs. The Ongoing Competition Transition Charge (CTC) forecast revenue requirement consists of the above-market costs associated with eligible contract

annual ERRA compliance review for the previous year. Since D.02-10-062 was issued, the Commission has addressed PG&E's ERRA compliance applications in a number of proceedings.^{2/}

In D.15-10-031, the Commission approved PG&E's 2014 BPP. The BPP was in effect during the entire 2018 record period and is the basis for PG&E's 2018 compliance activities.

The ERRA regulatory process includes two annual proceedings. The first is an annual ERRA Compliance proceeding to review the utility's compliance in the preceding year regarding energy resource contract administration, least-cost dispatch, fuel procurement, and the ERRA balancing account. The second is an annual ERRA Forecast proceeding to adopt a forecast of the utility's electric procurement cost revenue requirement and electricity sales for the coming year. PG&E's last ERRA Forecast proceeding, for forecast year 2019, was filed as Application (A.) 18-06-001 and was approved by the Commission in D.19-02-023.

III. STANDARD OF REVIEW AND COMMISSION REQUIREMENTS

The Commission has issued a number of decisions discussing the standards of review for specific aspects of the utilities' ERRA Compliance applications, as well as requirements for additional information that should be included in ERRA Compliance applications. In general, PG&E has the burden of proof in ERRA Compliance proceedings, and satisfies that burden of proof based on a preponderance of the evidence.^{3/} In addition to this general principle regarding the burden of proof, the Commission has also adopted specific standards of review for various aspects of the ERRA Compliance application. Below, PG&E provides an overview of the standards of review for this Application, as well as Commission requirements for additional

arrangements entered into before December 20, 1995, and QF contract restructuring costs. Ongoing CTC costs are recorded in the Modified Transition Cost Balancing Account (MTCBA).

^{2/} See D.05-04-036 (January through May 2003); D.05-07-015 (June through December 2003); D.05-11-007 (2004); D.06-12-009 (2005); D.07-11-027 (2006); D.08-10-002 (2007); D.09-12-002 (2008); D.11-07-039 (2009); D.13-10-041 (2010); D.14-01-011 (2011); D.15-05-006 (addressing least cost dispatch issues from the 2010 ERRA compliance proceeding); D.15-12-015 (modifying D.15-05-006); D.16-04-006 (2012); D.16-12-045 (2014); D.17-03-021 (2015); D.18-05-004 (2016).

^{3/} D.16-04-006 at p. 11.

information and materials to be included in PG&E's ERRR Compliance application, testimony, and workpapers.

A. Least-Cost Dispatch

The standard of review for achieving least-cost dispatch under Standard of Conduct 4 (SOC 4) is compliance with the bundled procurement plan and applicable Commission Decisions.^{4/} PG&E's 2014 Bundled Procurement Plan was approved in D.15-10-031 and was in effect during the 2018 record period.

PG&E's burden of proof to demonstrate compliance is established by various Commission Decisions and Settlement Agreements. In D.15-05-006, as modified by D.15-12-015, the Commission adopted, with minor modifications, the *Joint Utilities' Proposal for the Demonstration of Least-Cost Dispatch*^{5/} and also required the utilities to include information identified in the *Metrics for Demand Response* proposed by the Public Advocates Office at the California Public Utilities Commission (Cal Advocates), formerly the Office of Ratepayer Advocates.^{6/} The Commission consolidated the joint utilities' proposal, with modifications, and Cal Advocates' demand response metrics in Attachment A to D.15-12-015.

In addition, PG&E and Cal Advocates entered into settlement agreements in the 2014 ERRR Compliance proceeding (2014 ERRR Settlement) and 2015 ERRR Compliance proceeding (2015 ERRR Settlement) that included agreements related to the least-cost dispatch and demand response showings in future ERRR Compliance proceedings.^{7/} The Commission approved the 2014 ERRR Settlement in D.16-12-045 and the 2015 ERRR Settlement in D.17-

^{4/} See D.03-06-076 at p. 25, D.05-01-054 at p. 13, and D.11-10-002 at p.5.

^{5/} D.15-05-006, Ordering Paragraph (OP) 1 and OP 3.

^{6/} The Office of Ratepayer Advocates was renamed the Public Advocates Office of the California Public Utilities Commission pursuant to Senate Bill No. 854, which was enacted on June 27, 2018 (Chapter 51, Statutes of 2018).

^{7/} See *Pacific Gas and Electric Company's and the Office of Ratepayer Advocates' Motion for Approval of Proposed Settlement*, filed September 10, 2015 in A.15-02-023 and *Joint Motion of Pacific Gas and Electric Company (U 39 E) and the Office of Ratepayer Advocates for Approval of Proposed Settlement*, filed November 16, 2016 in A.16.02-019.

03-021. PG&E's showing in this Application is consistent with the Commission's requirements in D.15-05-006 and D.15-12-015, and incorporates the least-cost dispatch and demand response requirements from the 2014 and 2015 ERRA Settlements. The least-cost dispatch and demand response showing for the record period is included in Chapter 1 of PG&E's Prepared Testimony and the detailed workpapers associated with Chapter 1.

B. Utility-Owned Generation Operation

With regard to the operation of UOG resources, the Commission has applied a reasonable manager standard.^{8/} Under the reasonable manager standard,

utilities are held to a standard of reasonableness based upon the facts that are known or should have been known at the time. The act of the utility should comport with what a reasonable manager of sufficient education, training, experience, and skills using the tools and knowledge at his or her disposal would do when faced with a need to make a decision and act.^{9/}

The utility has the burden of proof to show that the reasonable manager standard has been met. For purposes of this Application, Chapters 2-4 of the Prepared Testimony and the corresponding workpapers satisfy PG&E's burden of proof that it operated its UOG facilities in compliance with the Commission's reasonable manager standard.

C. Contract Administration, Fuel Costs, and Hedging

With regard to contract administration, the Commission reviews whether procurement contracts have been administered prudently and in compliance with the contract provisions.^{10/} In Chapter 8 of the Prepared Testimony and the corresponding workpapers, PG&E demonstrates that it prudently administered its contracts.

PG&E recovers fuel costs associated with its UOG facilities and certain third-party contracts and hedging costs through ERRA. The Commission reviews whether PG&E complied

^{8/} D.11-10-002, p. 11; D.16-04-006, pp. 11-12.

^{9/} Id., p. 11, n. 2 (quoting D.90-09-088, 37 CPUC 2d 488, 499 (1990)).

^{10/} D.11-07-039, p. 9; see also D.16-04-006, p. 12 ("prudent" management is the same as the "reasonable" manager standard).

with the Commission-approved BPP for both fuel procurement costs and hedging costs. PG&E demonstrates compliance specifically with its BPP hedging plan through its discussion of electric portfolio hedging activities that occurred during 2018 and describing its internal procedures and controls.^{11/} These fuel cost and hedging compliance showings are in Chapter 6 of the Prepared Testimony.

D. GHG Compliance Instrument Procurement

In D.12-04-046, the Commission authorized PG&E to procure allowances and offsets necessary to meet its Greenhouse Gas (GHG) compliance obligations. The Commission reviews whether PG&E's GHG compliance instrument procurement complies with its GHG Procurement Plan, as set forth in its BPP.^{12/} In addition demonstrating compliance for GHG instrument procurement, PG&E provides an analysis on its contract management decision to financially settle or physically settle tolling agreements, pursuant to its 2017 ERRA Settlement Agreement approved by the Commission in D.19-02-005. Contract management decisions are assessed using the reasonable manager standard, as described above in Section III.C.

E. Energy Resource Recovery Account

The ERRA Balancing Account is audited by the Commission to ensure that recorded entries are accurate and consistent with Commission decisions. PG&E requests the Commission find its recorded entries to ERRA are appropriate, correctly stated, and in compliance with Commission decisions.

F. Diablo Canyon Seismic Studies Balancing Account, Green Tariff Shared Renewables Memorandum Account, Green Tariff Shared Renewables Balancing Account, and Renewables Portfolio Standard Cost Memorandum Account

1. Diablo Canyon Seismic Studies Balancing Account

In D.10-08-003, the Commission granted PG&E's request to comply with the California Energy Commission's recommendation to perform additional seismic studies in and around the

^{11/} D.11-07-039, OP 4.

^{12/} D.18-05-025, p. 48.

Diablo Canyon Power Plant (DCPP) as a part of the relicensing process. On September 13, 2012, the Commission approved D.12-09-008 which: (1) authorized PG&E to record and recover its actual costs of implementing DCPP seismic activities;^{13/} and (2) directed PG&E to recover balances in the DCSSBA, including balances recorded in the Independent Peer Review Panel subaccount in PG&E's annual ERRA Compliance proceedings.^{14/} PG&E is required to provide support for the amounts actually incurred and recorded in the DCSSBA, and show that these amounts are consistent with PG&E's request in its seismic studies application (i.e., A.10-01-014) and were reasonably incurred.^{15/}

In D.14-08-032, the Commission directed that costs associated with PG&E's Long Term Seismic Program (LTSP) be transferred to the DCSSBA and that the LTSP costs be reviewed as part of the ERRA compliance review.^{16/} D.17-05-013, the Commission decision authorizing PG&E's 2017-2019 General Rate Case revenue requirement, adopted a settlement agreement under which PG&E agreed to remove \$4.2 million in LTSP costs from the 2017-2019 revenue requirement and to continue the practice of recording annual seismic studies costs to the DCSSBA.

In Chapter 5 of PG&E's Prepared Testimony and the corresponding workpapers, PG&E provides an accounting of amounts actually incurred and recorded in the DCSBBA for the record period, and demonstrates that the amounts are reasonable. Chapter 13 sets out PG&E's cost recovery request associated with the DCSSBA.

2. Green Tariff Shared Renewables Memorandum Account

In D.15-01-051, the Commission approved the Green Tariff Shared Renewables (GTSR) Programs for PG&E, SCE, and SDG&E. As part of that, for each utility the Commission established a GTSRMA to cover administrative and marketing costs associated with the utility's

^{13/} D.12-09-008, OP 1.

^{14/} Id., OPs 4 and 10.

^{15/} Id.; see also D.16-04-006, p. 12.

^{16/} D.14-08-032, p. 411.

GTSR program.^{17/} The reasonableness of costs recorded in a utility's GTSRMA is subject to review in the utility's ERRR compliance proceedings.^{18/} Chapter 10 of the Prepared Testimony describes the amounts incurred and recorded in PG&E's GTSRMA during the record period, and demonstrates that they were reasonably incurred.

3. Green Tariff Shared Renewables Balancing Account

In D.15-01-051, the Commission also established the GTSRBA.^{19/} Chapter 10 also describes the amounts incurred and recorded in the GTSRBA during the record period, demonstrating that they were in compliance with applicable tariffs and Commission directives.

4. Renewables Portfolio Standard Cost Memorandum Account

In D.06-10-050, the Commission established the RPSCMA to track the third-party consultant costs incurred by the Commission and paid by PG&E in connection with the Commission's implementation and administration of the Renewables Portfolio Standard (RPS).^{20/} PG&E pays its share of the invoices, records the amounts in the RPSCMA, and requests recovery of the balance in the RPSCMA through the ERRR application.^{21/} Chapter 13 includes a description of the RPSCMA. In 2018, the PG&E did not receive any invoices for payment of consulting services associated with this account.

G. Additional ERRR Compliance Application Requirements

In recent years, a number of Commission decisions and/or settlements in earlier ERRR Compliance proceedings have required specific items to be included in ERRR Compliance applications. In addition to the items described above, PG&E is providing in its Prepared Testimony and/or workpapers information consistent with Commission directives and/or earlier settlements. The following table summarizes additional ERRR Compliance Application

^{17/} D.15-01-051, pp. 112-15.

^{18/} D.15-01-051, p. 113.

^{19/} D.15-01-051, Finding of Fact 136 and 145.

^{20/} D.06-10-050, OP 8.

^{21/} See PG&E Electric Preliminary Statement Part EL:
https://www.pge.com/notes/rates/tariffs/tm2/pdf/ELEC_4413-E.pdf

requirements adopted by the Commission in decisions or when it approved settlements, including the subject area, a brief description, source of the requirement, and the location in PG&E's testimony or workpapers. The requirements are organized chronologically to reflect when they were adopted by the Commission:

Subject Area	Description	Source of Requirement	Location in Prepared Testimony or Workpapers
Generation Fuel Costs	Fuelco information	D.05-09-006, Attachment A (Settlement Agreement, 4)	Chapter 6
Hedging	Include a "high level discussion of [PG&E's] internal procedures and controls for ensuring compliance with Commission-approved hedging plans."	D.11-07-039, OP 3	Chapter 6
STARs Alliance Costs	STARs Alliance activities and operating costs	D.12-05-010, OP 3	Chapter 6 and associated workpapers
Diablo Canyon Seismic Studies	Recover balances in the DCSSBA (<i>i.e.</i> , the Diablo Canyon Seismic Studies Balancing Account), including balances recorded in the Independent Peer Review Panel subaccount	D.12-09-008, Ops 4 and 10	Chapter 5 and associated workpapers
Audit Plan	Provision of a draft audit plan to Cal Advocates in November and meetings to review the draft audit plan	D.14-01-011, Attachment A, §2.4.1 (2011 ERRRA Settlement)	Provided to Cal Advocates on November 30, 2016
Least Cost Dispatch	Review and document material changes to LCD business processes	D.14-01-011, Attachment A, §2.4.2 (2011 ERRRA Settlement)	Chapter 1 and associated workpapers
Least Cost Dispatch	Document review and justify changes to LCD models	D.14-01-011, Attachment A, §2.4.2 (2011 ERRRA Settlement)	Chapter 1 and associated workpapers

Subject Area	Description	Source of Requirement	Location in Prepared Testimony or Workpapers
ERRA Balancing Account	Audit of ERRA balancing account	D.14-01-011, Attachment A, §2.4.3 (2011 ERRA Settlement)	Chapter 11 ^{22/}
UOG Outages	PG&E will address UOG outages and associated fuel costs, if applicable, in future ERRA Compliance proceedings	D.14-01-011, Attachment A, §2.4.4 (2011 ERRA Settlement)	Chapters 2-4, 6 and associated workpapers
Long-Term Seismic Program Costs	Include LTSP costs in DCSSBA for review in ERRA compliance proceeding	D.14-08-032 at p. 411	Chapter 5 and associated workpapers
Least Cost Dispatch	Include LCD showing and metrics for economically triggered demand response programs	D.15-05-006 and D.15-12-015	Chapter 1 and associated workpapers
Green Tariff Shared Renewables	Review GTSR Program administration and marketing costs for the record period in memorandum account	D.15-01-051 at p. 113	Chapter 10 and associated workpapers
Green Tariff Shared Renewables	Review GTSR balancing account entries, including true-up of costs and revenues	D.15-01-051, Conclusion of Law 59	Chapter 10
Least Cost Dispatch	Specified Demand Response Program Metrics included in least cost dispatch chapter	D.16-12-045, Settlement § 2.1 (2014 ERRA Settlement)	Chapter 1
Least Cost Dispatch	Evaluation of price forecast accuracy for all days of record period	D.16-12-045, Settlement § 2.3 (2014 ERRA Settlement)	Chapter 1 and associated workpapers
Least Cost Dispatch	Description of decision-making process re use of proxy or registered costs for resources	D.16-12-045, Settlement § 2.4	Chapter 1

^{22/} D.14-01-011, OP 6 and the 2011 ERRA Settlement §2.4.3 require an ERRA balancing account audit every four (4) years, with the results included in the ERRA compliance application that immediately follows the completion of the audit. The last audit was performed in 2017, the results of which are presented in this 2018 Compliance Application.

Subject Area	Description	Source of Requirement	Location in Prepared Testimony or Workpapers
Least Cost Dispatch	Information regarding resources that did not have bids submitted	D.16-12-045, Settlement § 2.5	Chapter 1 (non-specific, non-confidential); Workpapers (specific, confidential)
Least Cost Dispatch	PG&E and Cal Advocates to work informally to address hydro-self-scheduling documentation and information concerning dispatchable renewable resources to be included in future ERRA Compliance applications	D.16-12-045, Settlement §§ 2.7-2.8 (2014 ERRA Settlement)	Chapter 1
Demand Response	Definition of “operational constraints” as a reason not to dispatch when DR program economic triggers are met	D.16-12-045, Settlement § 3.2 (2014 ERRA Settlement)	Chapter 1
Demand Response	General set of guidelines for situations in which “customer fatigue” may occur in connection with DR programs	D.16-12-045, Settlement § 3.2 (2014 ERRA Settlement)	Chapter 1
Demand Response	Definition of “opportunity cost” as a reason not to dispatch DR programs when economic triggers are met	D.16-12-045, Settlement § 3.6 (2014 ERRA Settlement)	Chapter 1
Demand Response	Develop quantitative opportunity cost measure as a metric	D.16-12-045, Settlement §§ 3.8-3.9 (2014 ERRA Settlement)	Chapter 1
Maximum Disallowance Amount	Standard of Conduct 4 maximum disallowance amount and associated workpapers	D.16-12-045, Settlement § 5.3 (2014 ERRA Settlement)	Chapter 12
Incentive for Distributed Energy Resources	Review and recovery of incentive payments for certain distributed energy resources	D.16-12-036, OP 22; D.18-02-004, OP 2.aa.	Not applicable to this ERRA Compliance application
Least Cost Dispatch	Provide analysis of renewable resource opportunity costs, curtailment decisions, and demand response opportunity cost metrics	D.17-03-021, Settlement § 1.1 (2015 ERRA Settlement)	Chapter 1
ERRA: GHG Accounting	Agreed-upon verification method for PG&E’s GHG and WAC	D.17-03-021, OP 3	Chapter 11

Subject Area	Description	Source of Requirement	Location in Prepared Testimony or Workpapers
UOG: Transformer Inspections	Report results of inspections under transformer inspection program and provide a report on national industry standards	D.18-05-004, OP 4 and 5	Chapter 4
UOG: Nuclear	Provide summary list of all Nuclear Regulatory Commission findings and corrective actions	D.18-05-004, OP 7	Chapter 4
ERRA: GHG Accounting	Include GHG information from D.14-10-033 Attachment C (Template C) and D (Template D-2).	D.18-05-004, OP 8	Chapter 11
UOG: Hydro	Report on the Status of the claim against American Hydro Company	D.19-02-005, Settlement § 2.2 (2017 ERRA Settlement)	Chapter 2
UOG: Fossil	Report on status of differential current relay replacements at Humboldt Bay Generation Station	D.19-02-005, Settlement § 3.2 (2017 ERRA Settlement)	Chapter 3
UOG: Fossil	Report on updates and capability of Information Technology systems used to document test reports	D.19-02-005, Settlement § 3.3 (2017 ERRA Settlement)	Chapter 3
GHG Procurement	Include analysis on decision to financially settle or physically settle tolling agreements	D.19-02-005, Settlement § 4.2 (2017 ERRA Settlement)	Chapter 7

IV. OVERVIEW OF PREPARED TESTIMONY

PG&E's Prepared Testimony in support of this Application, which is being served to Cal Advocates concurrent with the Application, consists of one exhibit, which is identified as Exhibit PG&E-1, which is the public version of PG&E's Prepared Testimony, and Exhibit PG&E-1C, which is the confidential version of PG&E's Prepared Testimony. Exhibit PG&E-1 is organized into thirteen chapters, and an appendix, as follows:

- Chapter 1 Least Cost Dispatch and Economically Triggered Demand Response
- Chapter 2 Utility-Owned Generation: Hydroelectric
- Chapter 3 Utility-Owned Generation: Fossil and Other Generation
- Chapter 4 Utility-Owned Generation: Nuclear

Chapter 5	Costs Incurred and Recorded In The Diablo Canyon Seismic Studies Balancing Account
Chapter 6	Generation Fuel Costs and Electric Portfolio Hedging
Chapter 7	Greenhouse Gas Compliance Instrument Procurement
Chapter 8	Contract Administration
Chapter 9	CAISO Settlements and Monitoring
Chapter 10	Costs Incurred and Recorded in the Green Tariff Shared Renewables Memorandum Account And The Green Tariff Shared Renewables Balancing Account
Chapter 11	Summary of ERRA Entries for the Record Period
Chapter 12	Maximum Potential Disallowance for Violating Standard of Conduct 4
Chapter 13	Cost Recovery and Revenue Requirements
Appendix A	Statements of Qualifications

This testimony, and the corresponding workpapers, demonstrate that during the record period January 1 through December 31, 2018, PG&E complied with its BPP in the areas of least cost dispatch, fuel procurement costs, hedging, and GHG compliance instrument procurement. In addition, the testimony demonstrates that PG&E's administrative and marketing costs for the GTSR program were reasonable, and that PG&E satisfied the reasonable manager standard for contract management and the operation of its UOG facilities.

The testimony demonstrates that PG&E made appropriate entries to its ERRA, DCSSBA, and GTSRBA. It also demonstrates that the cost recovery proposal in Chapter 13 is just and reasonable and should be adopted.

PG&E will provide a public (redacted) version of its Prepared Testimony to parties who request a copy and will also provide a confidential (unredacted) version to parties who request a copy and execute a Non-Disclosure Agreement.

V. INFORMATION REQUIRED BY THE COMMISSION'S RULES OF PRACTICE AND PROCEDURE AND OTHER AUTHORITY (RULE 2.1)

PG&E files this Application pursuant to Sections 451, 454, 454.5, and 701 of the Public Utilities Code of the State of California, the Commission's Rules of Practice and Procedure, and prior decisions, orders and resolutions of the Commission, including, but not limited to, D.02-10-

062, D.02-12-074, D.03-06-067, D.07-12-052, D.08-11-008, D.12-01-033, D.12-04-046, D.14-08-032, D.15-01-051, D.15-05-006, D.15-10-031, D.15-12-015, and Commission Resolutions concerning approval of or modifications to PG&E's 2014 BPP.

A. Legal Name and Principal Place of Business (Rule 2.1(a))

The legal name of the Applicant is Pacific Gas and Electric Company. PG&E's principal place of business is 77 Beale Street, San Francisco, California, 94105.

B. Correspondence, Communications, and Service (Rule 2.1(b))

All correspondence, communications, and service of papers regarding this Application should be directed to:

Kristin D. Charipar
Law Department
Pacific Gas and Electric Company
P.O. Box 7442 (B30A)
San Francisco, CA 94120-7442
Telephone: (415) 973-6117
Facsimile: (415) 973-5520
E-mail: kristin.charipar@pge.com

Lorena Ponce
Regulatory Affairs
Pacific Gas and Electric Company
P.O. Box 770000 (B23A)
San Francisco, CA 94177-0001
Telephone: (415) 973-1210
Facsimile: (415) 973-6520
E-mail: lorena.ponce@pge.com

C. Proposed Categorization (Rule 2.1(c))

PG&E proposes that this Application be categorized as a ratesetting proceeding.

D. Need for Hearings (Rule 2.1(c))

PG&E anticipates that evidentiary hearings may be requested by other parties to this proceeding, but the need for evidentiary hearings will depend on the degree to which and grounds on which other parties might contest the proposals contained in this Application. While PG&E hopes to resolve the issues raised in this Application without hearings, such as through more informal procedures including discovery, evidentiary hearings may be necessary.

E. Issues To Be Considered (Rule 2.1(c))

PG&E proposes that the following issues be considered in this proceeding for the 2018 record period:

1. Did PG&E achieve least-cost dispatch of its energy resources;
2. Did PG&E operate and manage its UOG facilities prudently;
3. Did PG&E prudently administer and manage its QF and non-QF contracts;

4. Were the costs incurred and recorded in the DCSSBA in 2018 reasonable;
5. Did PG&E's fuel procurement and hedging activities comply with the 2014 BPP;
6. Did PG&E's Greenhouse Gas Compliance Instrument Procurement comply with the 2014 BPP;
7. Were the costs incurred and recorded in the GTSRMA in 2018 reasonable;
8. Were the costs incurred and recorded in the GTSRBA in 2018 in compliance with applicable tariffs and Commission directives;
9. Were PG&E's entries in the ERRA for 2018 appropriate, correctly stated, and in compliance with Commission decisions; and
10. Should PG&E's request to recover \$4.690 million recorded in the DCSSBA, as updated to reflect the RF&U factor in effect at the time of the decision, be approved?

F. Relevant Safety Consideration (Rule 2.1(c))

In D.16-01-017, the Commission amended Rule 2.1(c) requiring an applicant to identify all relevant safety considerations implicated by an Application to which the assigned Commissioners and presiding officer could refer to during the proceeding. In order to ensure that safety considerations have received full consideration by parties and the Commission, PG&E's Prepared Testimony includes specific discussions which detail PG&E's efforts to promote public safety: Chapters 2 and 3 discuss PG&E's commitment to safety at PG&E-owned generation facilities, and Chapter 8 discusses PG&E's protocols and practices related to the administration of third-party power contracts. In addition, as the Commission explained in D.14-12-053, the "[s]afe and reliable provision of utilities at predictable rates promotes public safety."^{23/} Chapters 5-7, 9-11, and 13 of PG&E's Prepared Testimony demonstrate that the costs incurred by PG&E during the record period were reasonable, that the entries to the ERRA balancing account were appropriate, and that the seismic studies and GTSR Program costs incurred by PG&E are reasonable and result in predictable rates for customers.

G. Procedural Schedule (Rule 2.1(c))

PG&E proposes the following procedural schedule for this 2018 ERRA Compliance proceeding on a preliminary basis. After filing, PG&E will consult with Cal Advocates and any

^{23/} D.14-12-053, pp. 12-13.

other intervening parties to determine whether a mutually acceptable schedule can be developed:

February 28, 2019	PG&E Application filed
	Notice of PG&E's Application appears in Daily Calendar
30 days after Daily Calendar Notice	Protests and Responses filed and served
10 days after Protests and Responses	Reply filed and served
May 13, 2019	Prehearing Conference
June 14, 2019	Cal Advocates and Intervenor Reply Testimony
July 29, 2019	PG&E Rebuttal Testimony
September 9-13, 2019	Evidentiary Hearings
October 4, 2019	Concurrent Opening Briefs
October 25, 2019	Concurrent Reply Briefs
January 2020	Proposed Decision
February 2020	Final Decision

H. Articles of Incorporation (Rule 2.2)

PG&E is, and since October 10, 1905, has been, an operating public utility corporation organized under California law. It is engaged principally in the business of furnishing electric and gas services in California. A certified copy of PG&E's Restated Articles of Incorporation, effective April 12, 2004, was filed with the Commission on May 3, 2004, with PG&E's Application 04-05-005. These articles are incorporated herein by reference pursuant to Rule 2.2 of the Commission's Rules.

I. Authority to Increase Rates (Rule 3.2)

This application requests an increase in electric rates and is not a general rate increase application, so Rule 3.2 applies except for subsections (4), (6), (7), (8), and (9) of Rule 3.2(a).

J. Balance Sheet and Income Statement (Rule 3.2(a)(1))

PG&E's most recent Balance Sheet and Income Statements for the period ending

September 30, 2018 were filed on November 20, 2018, in Application 18-11-013 and are incorporated by reference herein.

K. Statement of Presently Effective Rates (Rules 3.2(a)(2))

PG&E's presently effective electric rates are attached as Exhibit A to this Application.

L. Statement of Proposed Increases or Changes in Rates (Rule 3.2(a)(3))

Approval of this Application would increase electric rates for bundled service customers (those who receive electric generation as well as transmission and distribution service from PG&E) and for customers who purchase electricity from other suppliers (direct access and community choice aggregation) by less than one percent, therefore a statement setting forth PG&E's proposed increases or changes in electric rates is not required.

M. Summary of Earnings (Rule 3.2(a)(5) and (6))

The revenues, expenses, rate bases and rate of return for PG&E's Electric and Gas Departments for the recorded year of 2017 were submitted in support of Application 18-11-003 on November 5, 2018, and are incorporated herein by reference.

N. Type of Rate Change Requested (Rule 3.2(a)(3) and (10))

Results of Operations at proposed rates are not required since the proposed changes in revenues do not exceed one percent. This Application would result in a slight increase to system average bundled customer electric rates. The electric revenue requested increase over current electric revenue would result in a 0.04 percent increase in monthly electric bills for a typical residential non-CARE customer using 500 kilowatts per month, from \$112.08 to \$112.13. Individual customers' bills may differ. This Application would minimally impact direct access and community choice aggregation customers.

O. Notice to Governmental Entities (Rule 3.2(b))

Within 20 days of filing this Application, PG&E will mail or send electronically a notice stating in general terms the proposed revenues, rate changes and ratemaking mechanisms requested in this Application to parties listed in Exhibit B of this Application, including the State of California and cities and counties served by PG&E.

P. Publication (Rule 3.2(c))

Within 20 days of filing this Application, PG&E will publish in newspapers of general circulation in each county in its service territory a notice of filing.

Q. Notice to Customers (Rule 3.2(d))

Within 45 days of filing this Application, PG&E will include notices with the regular bills mailed to all customers affected by the proposed changes, and within twenty days of completion of mailing PG&E will file proof of compliance with Rule 3.2(e).

PG&E has served this Application on the official service lists for A.18-02-015 (2017 ERRRA Compliance), A.11-11-019 (STARS Alliance exemption to affiliate transaction rules), A.10-01-014 (Diablo Canyon Seismic Studies), and A.12-01-008, et al (GTSR program application).

VI. CONCLUSION

WHEREFORE, PG&E respectfully requests that the Commission issue a decision in this proceeding that makes the following findings for the 2018 record period:

1. PG&E achieved least-cost dispatch of its energy resources;
2. PG&E prudently administered and managed its UOG facilities;
3. PG&E reasonably operated and managed its QF and non-QF contracts;
4. The costs incurred and recorded in the DCSSBA in 2018 were reasonable;
5. PG&E's fuel procurement and hedging activities complied with the 2014 BPP;
6. PG&E's Greenhouse Gas Compliance Instrument Procurement complied with the 2014 BPP;
7. The costs incurred and recorded in the GTSRMA in 2018 were reasonable;
8. The costs incurred and recorded in the GTSRBA in 2018 were in compliance with applicable tariffs and Commission directives;
9. PG&E's entries in the ERRRA for 2018 were appropriate, correctly stated, and in compliance with Commission decisions;
10. PG&E's request to recover \$4.690 million recorded in the DCSSBA, as updated to reflect the RF&U factor in effect at the time of the decision, should be approved; and
11. Any other remedy or relief the Commission deems appropriate.

Respectfully Submitted,

ROBERT S. KENNEY

By: /s/ Robert S. Kenney
ROBERT S. KENNEY
Vice President, Regulatory Affairs

KRISTIN D. CHARIPAR

By: /s/ Kristin D. Charipar
KRISTIN D. CHARIPAR

Pacific Gas and Electric Company
77 Beale Street
San Francisco, CA 94105
Telephone: (415) 973-6117
Facsimile: (415) 973-5520
E-Mail: Kristin.charipar@pge.com

Dated: February 28, 2019

Attorney for
PACIFIC GAS AND ELECTRIC COMPANY

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I am an officer of Pacific Gas and Electric Company, a corporation organized and existing under the laws of California, and am authorized, pursuant to Rule 2.1 and Rule 1.11 of the Rules of Practice or Procedure of the CPUC to make this verification on its behalf.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

/s/ Robert S. Kenney
 ROBERT S. KENNEY
 Vice President, Regulatory Affairs

EXHIBIT A

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

RESIDENTIAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE E-1			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	ES UNIT DISCOUNT (\$/UNIT/MONTH)	\$1.95	\$1.95	3
4	ET UNIT DISCOUNT (\$/UNIT/MONTH)	\$6.52	\$6.52	4
5	ES/ET MINIMUM RATE LIMITER (\$/KWH)	\$0.04632	\$0.04632	5
6	ENERGY (\$/KWH)			6
7	TIER 1 (Baseline Quantity - BQ)	\$0.21183	\$0.21183	7
8	TIER 2 > 100% of BQ	\$0.28011	\$0.28011	8
10	High User Surcharge (HUS) > 400% of BQ	\$0.43371	\$0.43371	9
12	SCHEDULE EL-1 (CARE)			10
13	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	11
14	ENERGY (\$/KWH)			12
15	TIER 1 (Baseline Quantity - BQ)	\$0.13461	\$0.13461	13
16	TIER 2 > 100% of BQ	\$0.17779	\$0.17779	14
17	High User Surcharge (HUS) > 400% of BQ	\$0.27528	\$0.27528	15

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

RESIDENTIAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE E-6 / EM-TOU			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	E-6 METER CHARGE (\$/MONTH)	\$7.70	\$7.70	3
4	ON-PEAK ENERGY (\$/KWH)			4
5	TIER 1 (Baseline Quantity - BQ)	\$0.37137		5
6	TIER 2 > 100% of BQ	\$0.45731		6
7	PART-PEAK ENERGY (\$/KWH)			7
8	TIER 1 (Baseline Quantity - BQ)	\$0.25610	\$0.20049	8
9	TIER 2 > 100% of BQ	\$0.34204	\$0.28643	9
10	OFF-PEAK ENERGY (\$/KWH)			10
11	TIER 1 (Baseline Quantity - BQ)	\$0.17932	\$0.18366	11
12	TIER 2 > 100% of BQ	\$0.26526	\$0.26960	12
.....				
13	SCHEDULE EL-6 / EML-TOU			13
14	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	14
15	EL-6 METER CHARGE(\$/MONTH)	\$6.16	\$6.16	15
16	ON-PEAK ENERGY (\$/KWH)			16
17	TIER 1 (Baseline Quantity - BQ)	\$0.25141		17
18	TIER 2 > 100% of BQ	\$0.29752		18
19	PART-PEAK ENERGY (\$/KWH)			19
20	TIER 1 (Baseline Quantity - BQ)	\$0.16691	\$0.12615	20
21	TIER 2 > 100% of BQ	\$0.21302	\$0.17226	21
22	OFF-PEAK ENERGY (\$/KWH)			22
23	TIER 1 (Baseline Quantity - BQ)	\$0.11063	\$0.11380	23
24	TIER 2 > 100% of BQ	\$0.15674	\$0.15991	24
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PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

RESIDENTIAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE EV: RATE A			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	ON-PEAK ENERGY (\$/KWH)	\$0.47820	\$0.33524	3
4	PART-PEAK ENERGY (\$/KWH)	\$0.26082	\$0.20530	4
5	OFF-PEAK ENERGY (\$/KWH)	\$0.12500	\$0.12796	5
6	SCHEDULE EV: RATE B			6
7	EV-B METER CHARGE (\$/MONTH)	\$1.50	\$1.50	7
8	ON-PEAK ENERGY (\$/KWH)	\$0.47151	\$0.32812	8
9	PART-PEAK ENERGY (\$/KWH)	\$0.25747	\$0.20174	9
10	OFF-PEAK ENERGY (\$/KWH)	\$0.12452	\$0.12745	10

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

SMALL L&P RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE A-1			1
2	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	2
3	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	3
4	ENERGY (\$/KWH)	\$0.25537	\$0.19725	4
5	SCHEDULE A-1 TOU			5
6	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	6
7	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	7
8	ENERGY (\$/KWH)			8
9	ON-PEAK	\$0.26951		9
10	PART-PEAK	\$0.24586	\$0.22677	10
11	OFF-PEAK ENERGY	\$0.21851	\$0.20585	11
12	SCHEDULE A-6			12
13	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	13
14	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	14
15	METER CHARGE (\$/MONTH)	\$6.12	\$6.12	15
16	METER CHARGE - RATE W (\$/MONTH)	\$1.80	\$1.80	16
17	METER CHARGE - RATE X (\$/MONTH)	\$6.12	\$6.12	17
18	ENERGY (\$/KWH)			18
19	ON-PEAK	\$0.56628		19
20	PART-PEAK	\$0.26946	\$0.21444	20
21	OFF-PEAK ENERGY	\$0.19787	\$0.19620	21
22	SCHEDULE A-15			22
23	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	23
24	FACILITY CHARGE (\$/MONTH)	\$25.00	\$25.00	24
25	ENERGY (\$/KWH)	\$0.25537	\$0.19725	25
26	SCHEDULE TC-1			26
27	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	27
28	ENERGY (\$/KWH)	\$0.19092	\$0.19092	28

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

MEDIUM L&P RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE A-10			1
2	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MO)			3
4	SECONDARY VOLTAGE	\$19.13	\$11.24	4
5	PRIMARY VOLTAGE	\$18.13	\$11.54	5
6	TRANSMISSION VOLTAGE	\$12.28	\$8.59	6
7	ENERGY CHARGE (\$/KWH)			7
8	SECONDARY VOLTAGE	\$0.17067	\$0.13128	8
9	PRIMARY VOLTAGE	\$0.15926	\$0.12645	9
10	TRANSMISSION VOLTAGE	\$0.12472	\$0.10442	10
11	SCHEDULE A-10 TOU			11
12	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	12
13	MAXIMUM DEMAND CHARGE (\$/KW/MO)			13
14	SECONDARY VOLTAGE	\$19.13	\$11.24	14
15	PRIMARY VOLTAGE	\$18.13	\$11.54	15
16	TRANSMISSION VOLTAGE	\$12.28	\$8.59	16
17	ENERGY CHARGE (\$/KWH)			17
18	SECONDARY			18
19	ON PEAK	\$0.22455		19
20	PARTIAL PEAK	\$0.16942	\$0.14107	20
21	OFF-PEAK	\$0.14135	\$0.12400	21
22	PRIMARY			22
23	ON PEAK	\$0.21119		23
24	PARTIAL PEAK	\$0.16063	\$0.13750	24
25	OFF-PEAK	\$0.13400	\$0.12162	25
26	TRANSMISSION			26
27	ON PEAK	\$0.17224		27
28	PARTIAL PEAK	\$0.12537	\$0.11358	28
29	OFF-PEAK	\$0.10006	\$0.09900	29

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

E-19 FIRM RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE E-19 T FIRM			1
2	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,800.00	\$1,800.00	2
3	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$140.00	\$140.00	3
4	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	4
5	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	5
6	DEMAND CHARGE (\$/KW/MONTH)			6
7	ON-PEAK	\$14.06		7
8	PARTIAL PEAK	\$3.53	\$0.00	8
9	MAXIMUM	\$9.00	\$9.00	9
10	ENERGY CHARGE (\$/KWH)			10
11	ON-PEAK	\$0.11240		11
12	PARTIAL-PEAK	\$0.09813	\$0.10037	12
13	OFF-PEAK	\$0.07924	\$0.08586	13
14	SCHEDULE E-19 P FIRM			14
15	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,000.00	\$1,000.00	15
16	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$140.00	\$140.00	16
17	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	17
18	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	18
19	DEMAND CHARGE (\$/KW/MONTH)			19
20	ON-PEAK	\$17.75		20
21	PARTIAL PEAK	\$4.81	\$0.15	21
22	MAXIMUM	\$14.34	\$14.34	22
23	ENERGY CHARGE (\$/KWH)			23
24	ON-PEAK	\$0.14898		24
25	PARTIAL-PEAK	\$0.10693	\$0.10125	25
26	OFF-PEAK	\$0.07990	\$0.08658	26
27	SCHEDULE E-19 S FIRM			27
28	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$600.00	\$600.00	28
29	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$140.00	\$140.00	29
30	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	30
31	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	31
32	DEMAND CHARGE (\$/KW/MONTH)			32
33	ON-PEAK	\$19.95		33
34	PARTIAL PEAK	\$5.50	\$0.12	34
35	MAXIMUM	\$17.54	\$17.54	35
36	ENERGY CHARGE (\$/KWH)			36
37	ON-PEAK	\$0.16009		37
38	PARTIAL-PEAK	\$0.11567	\$0.10958	38
39	OFF-PEAK	\$0.08625	\$0.09355	39

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

E-20 FIRM RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE E-20 T FIRM			1
2	CUSTOMER CHARGE (\$/MONTH)-FIRM	\$2,000.00	\$2,000.00	2
3	DEMAND CHARGE (\$/KW/MONTH)			3
4	ON-PEAK	\$17.42		4
5	PARTIAL PEAK	\$4.15	\$0.00	5
6	MAXIMUM	\$8.33	\$8.33	6
7	ENERGY CHARGE (\$/KWH)			7
8	ON-PEAK	\$0.10456		8
9	PARTIAL-PEAK	\$0.09115	\$0.09326	9
10	OFF-PEAK	\$0.07340	\$0.07962	10
11	SCHEDULE E-20 P FIRM			11
12	CUSTOMER CHARGE (\$/MONTH)	\$1,500.00	\$1,500.00	12
13	DEMAND CHARGE (\$/KW/MONTH)			13
14	ON-PEAK	\$20.62		14
15	PARTIAL PEAK	\$5.45	\$0.13	15
16	MAXIMUM	\$15.20	\$15.20	16
17	ENERGY CHARGE (\$/KWH)			17
18	ON-PEAK	\$0.15153		18
19	PARTIAL-PEAK	\$0.10703	\$0.10117	19
20	OFF-PEAK	\$0.07966	\$0.08638	20
21	SCHEDULE E-20 S FIRM			21
22	CUSTOMER CHARGE (\$/MONTH)	\$1,200.00	\$1,200.00	22
23	DEMAND CHARGE (\$/KW/MONTH)			23
24	ON-PEAK	\$19.29		24
25	PARTIAL PEAK	\$5.32	\$0.05	25
26	MAXIMUM	\$17.57	\$17.57	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.14972		28
29	PARTIAL-PEAK	\$0.10935	\$0.10349	29
30	OFF-PEAK	\$0.08164	\$0.08847	30

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

OIL AND GAS EXTRACTION RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE E-37			1
2	CUSTOMER CHARGE (\$/MONTH)	\$36.36	\$36.36	2
3	TOU METER CHARGE - RATE W (\$/MONTH)	\$1.20	\$1.20	3
4	TOU METER CHARGE - RATE X (\$/MONTH)	\$6.00	\$6.00	4
5	ON PEAK DEMAND CHARGE (\$/KW/MO)	\$10.43		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MO)			6
7	SECONDARY VOLTAGE	\$15.93	\$6.03	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.85	\$0.18	8
9	TRANSMISSION VOLTAGE DISCOUNT	\$11.84	\$5.18	9
10	ENERGY (\$/KWH)			10
11	ON-PEAK	\$0.22080		11
12	PART-PEAK		\$0.11537	12
13	OFF-PEAK	\$0.09337	\$0.08427	13

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

STANDBY RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE S - TRANSMISSION			1
2	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$1.50	\$1.50	2
3	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$1.28	\$1.28	3
4	ENERGY (\$/KWH)			4
5	ON-PEAK	\$0.13409		5
6	PART-PEAK	\$0.11966	\$0.12193	6
7	OFF-PEAK	\$0.10058	\$0.10728	7
8	SCHEDULE S - PRIMARY			8
9	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$7.26	\$7.26	9
10	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$6.17	\$6.17	10
11	ENERGY (\$/KWH)			11
12	ON-PEAK	\$0.59192		12
13	PART-PEAK	\$0.27682	\$0.14768	13
14	OFF-PEAK	\$0.11708	\$0.12497	14
15	SCHEDULE S - SECONDARY			15
16	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$7.26	\$7.26	16
17	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$6.17	\$6.17	17
18	ENERGY (\$/KWH)			18
19	ON-PEAK	\$0.59090		19
20	PART-PEAK	\$0.27580	\$0.14666	20
21	OFF-PEAK	\$0.11606	\$0.12395	21

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

STANDBY RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE S CUSTOMER AND METER CHARGES			1
2	RESIDENTIAL			2
3	CUSTOMER CHARGE (\$/MO)	\$5.00	\$5.00	3
4	TOU METER CHARGE (\$/MO)	\$3.90	\$3.90	4
5	AGRICULTURAL			5
6	CUSTOMER CHARGE (\$/MO)	\$27.60	\$27.60	6
7	TOU METER CHARGE (\$/MO)	\$6.00	\$6.00	7
8	SMALL LIGHT AND POWER (less than or equal to 50 kW)			8
9	SINGLE PHASE CUSTOMER CHARGE (\$/MO)	\$20.00	\$20.00	9
10	POLY PHASE CUSTOMER CHARGE (\$/MO)	\$30.00	\$30.00	10
11	METER CHARGE (\$/MO)	\$6.12	\$6.12	11
12	MEDIUM LIGHT AND POWER (>50 kW, <500 kW)			12
13	CUSTOMER CHARGE (\$/MO)	\$140.00	\$140.00	13
14	METER CHARGE (\$/MO)	\$5.40	\$5.40	14
15	MEDIUM LIGHT AND POWER (>500kW)			15
16	TRANSMISSION CUSTOMER CHARGE (\$/MO)	\$1,800.00	\$1,800.00	16
17	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,000.00	\$1,000.00	17
18	SECONDARY CUSTOMER CHARGE (\$/MO)	\$600.00	\$600.00	18
19	LARGE LIGHT AND POWER (> 1000 kW)			19
20	TRANSMISSION CUSTOMER CHARGE (\$/MO)	\$2,000.00	\$2,000.00	20
21	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,500.00	\$1,500.00	21
22	SECONDARY CUSTOMER CHARGE (\$/MO)	\$1,200.00	\$1,200.00	22
23	REDUCED CUSTOMER CHARGES (\$/MO)			23
24	SMALL LIGHT AND PWR (< 50 kW)	\$7.75	\$7.75	24
25	MED LIGHT AND PWR (Res Capacity >75 kW and <500 kW) S	\$52.00	\$52.00	25
26	MED LIGHT AND PWR (Res Capacity > 500 kW and < 1000 kW) S	\$177.39	\$177.39	26

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

AGRICULTURAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE AG-1A			1
2	CUSTOMER CHARGE (\$/MONTH)	\$17.47	\$17.47	2
3	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.18	\$1.54	3
4	ENERGY CHARGE (\$/KWH)	\$0.28747	\$0.22086	4
5	SCHEDULE AG-RA			5
6	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	6
7	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	7
8	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	8
9	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.29	\$1.17	9
10	ENERGY (\$/KWH)			10
11	ON-PEAK	\$0.55230		11
12	PART-PEAK		\$0.19346	12
13	OFF-PEAK	\$0.18924	\$0.15850	13
14	SCHEDULE AG-VA			14
15	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	15
16	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	16
17	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	17
18	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.31	\$1.22	18
19	ENERGY (\$/KWH)			19
20	ON-PEAK	\$0.51453		20
21	PART-PEAK		\$0.19463	21
22	OFF-PEAK	\$0.18585	\$0.15896	22
23	SCHEDULE AG-4A			23
24	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	24
25	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	25
26	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	26
27	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.36	\$1.25	27
28	ENERGY (\$/KWH)			28
29	ON-PEAK	\$0.46047		29
30	PART-PEAK		\$0.20679	30
31	OFF-PEAK	\$0.19959	\$0.16711	31
32	SCHEDULE AG-5A			32
33	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	33
34	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	34
35	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	35
36	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$12.22	\$2.22	36
37	ENERGY (\$/KWH)			37
38	ON-PEAK	\$0.31983		38
39	PART-PEAK		\$0.17054	39
40	OFF-PEAK	\$0.16183	\$0.14389	40

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019
AGRICULTURAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE AG-1B			1
2	CUSTOMER CHARGE (\$/MONTH)	\$23.23	\$23.23	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			3
4	SECONDARY VOLTAGE	\$11.95	\$2.37	4
5	PRIMARY VOLTAGE DISCOUNT	\$1.29	\$0.33	5
6	ENERGY CHARGE (\$/KWH)	\$0.24663	\$0.19109	6
7	SCHEDULE AG-RB			7
8	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	8
9	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	9
10	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	10
11	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.92		11
12	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			12
13	SECONDARY VOLTAGE	\$9.88	\$1.95	13
14	PRIMARY VOLTAGE DISCOUNT	\$0.87	\$0.32	14
15	ENERGY CHARGE (\$/KWH)			15
16	ON-PEAK	\$0.49705		16
17	PART-PEAK		\$0.16751	17
18	OFF-PEAK	\$0.17879	\$0.13807	18
19	SCHEDULE AG-VB			19
20	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	20
21	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	21
22	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.90		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			24
25	SECONDARY VOLTAGE	\$9.92	\$1.93	25
26	PRIMARY VOLTAGE DISCOUNT	\$0.94	\$0.30	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.45983		28
29	PART-PEAK		\$0.16485	29
30	OFF-PEAK	\$0.17371	\$0.13638	30

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

AGRICULTURAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE AG-4B			1
2	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	2
3	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	4
5	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$5.46		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			6
7	SECONDARY VOLTAGE	\$10.14	\$2.30	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.10	\$0.36	8
9	ENERGY CHARGE (\$/KWH)			9
10	ON-PEAK	\$0.30175		10
11	PART-PEAK		\$0.16180	11
12	OFF-PEAK	\$0.16155	\$0.13581	12
13	SCHEDULE AG-4C			13
14	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$65.44	\$65.44	14
15	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	15
16	METER CHARGE - RATE F (\$/MONTH)	\$1.20	\$1.20	16
17	DEMAND CHARGE (\$/KW/MONTH)			17
18	ON-PEAK	\$12.78		18
19	PART-PEAK	\$2.43	\$0.55	19
20	MAXIMUM	\$5.03	\$2.43	20
21	PRIMARY VOLTAGE DISCOUNT			21
22	ON-PEAK	\$1.45		22
23	MAXIMUM		\$0.31	23
24	TRANSMISSION VOLTAGE DISCOUNT			24
25	ON-PEAK	\$6.58		25
26	PART-PEAK	\$1.31	\$0.55	26
27	MAXIMUM	\$0.24	\$1.68	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.27836		29
30	PART-PEAK	\$0.16212	\$0.13472	30
31	OFF-PEAK	\$0.12142	\$0.11663	31
32	SCHEDULE AG-5B			32
33	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$36.36	\$36.36	33
34	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	34
35	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	35
36	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$10.43		36
37	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			37
38	SECONDARY VOLTAGE	\$15.93	\$6.03	38
39	PRIMARY VOLTAGE DISCOUNT	\$1.85	\$0.18	39
40	TRANSMISSION VOLTAGE DISCOUNT	\$11.84	\$5.18	40
41	ENERGY CHARGE (\$/KWH)			41
42	ON-PEAK	\$0.22080		42
43	PART-PEAK		\$0.11537	43
44	OFF-PEAK	\$0.09337	\$0.08427	44

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

AGRICULTURAL RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE AG-5C			1
2	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$161.58	\$161.58	2
3	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE F (\$/MONTH)	\$1.20	\$1.20	4
5	DEMAND CHARGE (\$/KW/MONTH)			5
6	ON-PEAK	\$17.74		6
7	PART-PEAK	\$3.66	\$0.90	7
8	MAXIMUM	\$6.02	\$3.76	8
9	PRIMARY VOLTAGE DISCOUNT			9
10	ON-PEAK	\$2.71		10
11	MAXIMUM		\$0.25	11
12	TRANSMISSION VOLTAGE DISCOUNT			12
13	ON-PEAK	\$10.79		13
14	PART-PEAK	\$1.53	\$0.90	14
15	MAXIMUM	\$3.43	\$2.46	15
16	ENERGY CHARGE (\$/KWH)			16
17	ON-PEAK	\$0.17125		17
18	PART-PEAK	\$0.11554	\$0.10101	18
19	OFF-PEAK	\$0.09480	\$0.09159	19
20	SCHEDULE AG-ICE			20
21	CUSTOMER CHARGE (\$/MONTH)	\$40.00	\$40.00	21
22	METER CHARGE (\$/MONTH)	\$6.00	\$6.00	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MO)	\$6.95		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MO)			24
25	SECONDARY	\$8.99	\$0.00	25
26	PRIMARY	\$7.85	\$0.00	26
27	TRANSMISSION	\$2.74	\$0.00	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.18415		29
30	PART-PEAK	\$0.14364	\$0.14732	30
31	OFF-PEAK	\$0.07366	\$0.07366	31

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES as of
Tuesday, January 01, 2019

STREETLIGHTING RATES

LINE NO.		1/1/19 RATES SUMMER	1/1/19 RATES WINTER	LINE NO.
1	SCHEDULE LS-1			1
2	ENERGY CHARGE (\$/KWH)	\$0.16449	\$0.16449	2
3	SCHEDULE LS-2			3
4	ENERGY CHARGE (\$/KWH)	\$0.16449	\$0.16449	4
5	SCHEDULE LS-3			5
6	SERVICE CHARGE (\$/METER/MO.)	\$6.00	\$6.00	6
7	ENERGY CHARGE (\$/KWH)	\$0.16449	\$0.16449	7
8	SCHEDULE OL-1			8
9	ENERGY CHARGE (\$/KWH)	\$0.17120	\$0.17120	9

Pacific Gas & Electric Company																	
1-1-19 Rate Change - TO19 Settled, GRC new Res BQs & DWR Bond																	
1/1/2019																	
ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1																	
NOMINAL LAMP RATINGS				ALL NIGHT RATES PER LAMP PER MONTH												HALF-HOUR ADJ.	
LAMP	AVERAGE		INITIAL	SCHEDULE LS-2			SCHEDULE LS-1						OL-1		LS-1 &		
WATTS	MONTH		LUMENS	A	C		A	B	C	D	E	F		OL-1	LS-2	OL-1	
MERCURY VAPOR LAMPS																	
40	18	1,300		\$3.168	--		--	--	--	--	--	--	--	--	\$0.135	--	
50	22	1,650		\$3.826	--		--	--	--	--	--	--	--	--	\$0.165	--	
100	40	3,500		\$6.787	\$10.574		\$13.094	--	\$13.362	\$16.303	--	\$14.447	--	--	\$0.299	--	
175	68	7,500		\$11.392	\$15.179		\$17.699	\$17.699	\$17.967	\$20.908	\$21.663	\$19.052	\$18.156		\$0.508	\$0.529	
250	97	11,000		\$16.163	\$19.950		\$22.470	\$22.470	\$22.738	--	--	\$23.823	--	--	\$0.725	--	
400	152	21,000		\$25.209	\$28.996		\$31.516	\$31.516	\$31.784	--	--	--	\$32.536		\$1.136	\$1.183	
700	266	37,000		\$43.961	\$47.748		\$50.268	\$50.268	\$50.536	--	--	--	--		\$1.989	--	
1,000	377	57,000		\$62.220	\$66.007		--	--	--	--	--	--	--		\$2.819	--	
INCANDESCENT LAMPS																	
58	20	600		\$3.497	--		\$9.804	--	--	\$13.013	--	\$11.157	--		\$0.150	--	
92	31	1,000		\$5.306	\$9.093		\$11.613	--	--	--	--	--	--		\$0.232	--	
189	65	2,500		\$10.899	\$14.686		\$17.206	\$17.206	--	--	--	--	--		\$0.486	--	
295	101	4,000		\$16.820	\$20.607		\$23.127	\$23.127	--	--	--	--	--		\$0.755	--	
405	139	6,000		\$23.071	\$26.858		\$29.378	--	--	--	--	--	--		\$1.039	--	
620	212	10,000		\$35.079	\$38.866		--	--	--	--	--	--	--		\$1.585	--	
860	294	15,000		\$48.567	--		--	--	--	--	--	--	--		\$2.198	--	
LOW PRESSURE SODIUM VAPOR LAMPS																	
35	21	4,800		\$3.661	--		--	--	--	--	--	--	--		\$0.157	--	
55	29	8,000		\$4.977	--		--	--	--	--	--	--	--		\$0.217	--	
90	45	13,500		\$7.609	--		--	--	--	--	--	--	--		\$0.336	--	
135	62	21,500		\$10.405	--		--	--	--	--	--	--	--		\$0.464	--	
180	78	33,000		\$13.037	--		--	--	--	--	--	--	--		\$0.583	--	
HIGH PRESSURE SODIUM VAPOR LAMPS																	
AT 120 VOLTS																	
35	15	2,150		\$2.674	--		--	--	--	--	--	--	--		\$0.112	--	
50	21	3,800		\$3.661	--		--	--	--	--	--	--	--		\$0.157	--	
70	29	5,800		\$4.977	\$8.764		\$11.284	--	\$11.552	\$14.493	\$15.248	\$12.637	\$11.479		\$0.217	\$0.226	
100	41	9,500		\$6.951	\$10.738		\$13.258	--	\$13.526	\$16.467	\$17.222	\$14.611	\$13.533		\$0.307	\$0.319	
150	60	16,000		\$10.076	\$13.863		\$16.383	--	\$16.651	\$19.592	\$20.347	\$17.736	--		\$0.449	--	
200	80	22,000		\$13.366	--		\$19.673	--	\$19.941	\$22.882	\$23.637	\$21.026	--		\$0.598	--	
250	100	26,000		\$16.656	--		\$22.963	--	\$23.231	\$26.172	\$26.927	\$24.316	--		\$0.748	--	
400	154	46,000		\$25.538	--		\$31.845	--	\$32.113	\$35.054	\$35.809	\$33.198	--		\$1.151	--	
AT 240 VOLTS																	
50	24	3,800		\$4.155	--		--	--	--	--	--	--	--		\$0.179	--	
70	34	5,800		\$5.800	\$9.587		\$12.107	--	--	\$15.316	\$16.071	\$13.460	--		\$0.254	--	
100	47	9,500		\$7.938	\$11.725		\$14.245	--	\$14.513	\$17.454	\$18.209	\$15.598	--		\$0.351	--	
150	69	16,000		\$11.557	\$15.344		\$17.864	--	\$18.132	\$21.073	\$21.828	\$19.217	--		\$0.516	--	
200	81	22,000		\$13.531	\$17.318		\$19.838	--	\$20.106	\$23.047	\$23.802	\$21.191	\$20.381		\$0.606	\$0.630	
250	100	25,500		\$16.656	\$20.443		\$22.963	--	\$23.231	\$26.172	\$26.927	\$24.316	\$23.634		\$0.748	\$0.778	
310	119	37,000		\$19.781	--		--	--	--	--	--	--	--		\$0.890	--	
360	144	45,000		\$23.894	--		--	--	--	--	--	--	--		\$1.077	--	
400	154	46,000		\$25.538	\$29.325		\$31.845	--	\$32.113	\$35.054	\$35.809	\$33.198	\$32.879		\$1.151	\$1.198	

Pacific Gas & Electric Company
1-1-19 Rate Change - TO19 Settled, GRC new Res BQs & DWR Bond
1/1/19

LIGHT EMITTING DIODE (LED) LAMPS
TOTAL RATES (FACILITY + ENERGY CHGS)

NOMINAL LAMP RATINGS		ALL NIGHT RATES	HALF-HOUR	ALL NIGHT RATES				
Lamp	Average kWh	PER LAMP	ADJUSTMENT	PER LAMP PER MONTH				
Watts	Per Month	PER MONTH		LS-1A	LS-1C	LS-1D	LS-1E	LS-1F
		LS-2A	LS-1A, C, E, F & LS-2A					
0.0-5.0	0.9	\$0.000	\$0.355	\$0.000	\$6.662	\$6.930	\$9.871	\$10.626
5.1-10.0	2.6	\$0.000	\$0.635	\$0.000	\$6.942	\$7.210	\$10.151	\$10.906
10.1-15.0	4.3	\$0.000	\$0.914	\$0.000	\$7.221	\$7.489	\$10.430	\$11.185
15.1-20.0	6.0	\$0.000	\$1.194	\$0.000	\$7.501	\$7.769	\$10.710	\$11.465
20.1-25.0	7.7	\$0.000	\$1.474	\$0.000	\$7.781	\$8.049	\$10.990	\$11.745
25.1-30.0	9.4	\$0.000	\$1.753	\$0.000	\$8.060	\$8.328	\$11.269	\$12.024
30.1-35.0	11.1	\$0.000	\$2.033	\$0.000	\$8.340	\$8.608	\$11.549	\$12.304
35.1-40.0	12.8	\$0.000	\$2.312	\$0.000	\$8.619	\$8.887	\$11.828	\$12.583
40.1-45.0	14.5	\$0.000	\$2.592	\$0.000	\$8.899	\$9.167	\$12.108	\$12.863
45.1-50.0	16.2	\$0.000	\$2.872	\$0.000	\$9.179	\$9.447	\$12.388	\$13.143
50.1-55.0	17.9	\$0.000	\$3.151	\$0.000	\$9.458	\$9.726	\$12.667	\$13.422
55.1-60.0	19.6	\$0.000	\$3.431	\$0.000	\$9.738	\$10.006	\$12.947	\$13.702
60.1-65.0	21.4	\$0.000	\$3.727	\$0.000	\$10.034	\$10.302	\$13.243	\$13.998
65.1-70.0	23.1	\$0.000	\$4.007	\$0.000	\$10.314	\$10.582	\$13.523	\$14.278
70.1-75.0	24.8	\$0.000	\$4.286	\$0.000	\$10.593	\$10.861	\$13.802	\$14.557
75.1-80.0	26.5	\$0.000	\$4.566	\$0.000	\$10.873	\$11.141	\$14.082	\$14.837
80.1-85.0	28.2	\$0.000	\$4.846	\$0.000	\$11.153	\$11.421	\$14.362	\$15.117
85.1-90.0	29.9	\$0.000	\$5.125	\$0.000	\$11.432	\$11.700	\$14.641	\$15.396
90.1-95.0	31.6	\$0.000	\$5.405	\$0.000	\$11.712	\$11.980	\$14.921	\$15.676
95.1-100.0	33.3	\$0.000	\$5.685	\$0.000	\$11.992	\$12.260	\$15.201	\$15.956
100.1-105.1	35.0	\$0.000	\$5.964	\$0.000	\$12.271	\$12.539	\$15.480	\$16.235
105.1-110.0	36.7	\$0.000	\$6.244	\$0.000	\$12.551	\$12.819	\$15.760	\$16.515
110.1-115.0	38.4	\$0.000	\$6.523	\$0.000	\$12.830	\$13.098	\$16.039	\$16.794
115.1-120.0	40.1	\$0.000	\$6.803	\$0.000	\$13.110	\$13.378	\$16.319	\$17.074
120.1-125.0	41.9	\$0.000	\$7.099	\$0.000	\$13.406	\$13.674	\$16.615	\$17.370
125.1-130.0	43.6	\$0.000	\$7.379	\$0.000	\$13.686	\$13.954	\$16.895	\$17.650
130.1-135.0	45.3	\$0.000	\$7.658	\$0.000	\$13.965	\$14.233	\$17.174	\$17.929
135.1-140.0	47.0	\$0.000	\$7.938	\$0.000	\$14.245	\$14.513	\$17.454	\$18.209
140.1-145.0	48.7	\$0.000	\$8.218	\$0.000	\$14.525	\$14.793	\$17.734	\$18.489
145.1-150.0	50.4	\$0.000	\$8.497	\$0.000	\$14.804	\$15.072	\$18.013	\$18.768
150.1-155.0	52.1	\$0.000	\$8.777	\$0.000	\$15.084	\$15.352	\$18.293	\$19.048
155.1-160.0	53.8	\$0.000	\$9.057	\$0.000	\$15.364	\$15.632	\$18.573	\$19.328
160.1-165.0	55.5	\$0.000	\$9.336	\$0.000	\$15.643	\$15.911	\$18.852	\$19.607
165.1-170.0	57.2	\$0.000	\$9.616	\$0.000	\$15.923	\$16.191	\$19.132	\$19.887
170.1-175.0	58.9	\$0.000	\$9.895	\$0.000	\$16.202	\$16.470	\$19.411	\$20.166
175.1-180.0	60.6	\$0.000	\$10.175	\$0.000	\$16.482	\$16.750	\$19.691	\$20.446
180.1-185.0	62.4	\$0.000	\$10.471	\$0.000	\$16.778	\$17.046	\$19.987	\$20.742
185.1-190.0	64.1	\$0.000	\$10.751	\$0.000	\$17.058	\$17.326	\$20.267	\$21.022
190.1-195.0	65.8	\$0.000	\$11.030	\$0.000	\$17.337	\$17.605	\$20.546	\$21.301
195.1-200.0	67.5	\$0.000	\$11.310	\$0.000	\$17.617	\$17.885	\$20.826	\$21.581
200.1-205.0	69.2	\$0.000	\$11.590	\$0.000	\$17.897	\$18.165	\$21.106	\$21.861
205.1-210.0	70.9	\$0.000	\$11.869	\$0.000	\$18.176	\$18.444	\$21.385	\$22.140
210.1-215.0	72.6	\$0.000	\$12.149	\$0.000	\$18.456	\$18.724	\$21.665	\$22.420
215.1-220.0	74.3	\$0.000	\$12.429	\$0.000	\$18.736	\$19.004	\$21.945	\$22.700
220.1-225.0	76.0	\$0.000	\$12.708	\$0.000	\$19.015	\$19.283	\$22.224	\$22.979
225.1-230.0	77.7	\$0.000	\$12.988	\$0.000	\$19.295	\$19.563	\$22.504	\$23.259
230.1-235.0	79.4	\$0.000	\$13.268	\$0.000	\$19.575	\$19.843	\$22.784	\$23.539
235.1-240.0	81.1	\$0.000	\$13.547	\$0.000	\$19.854	\$20.122	\$23.063	\$23.818
240.1-245.0	82.9	\$0.000	\$13.843	\$0.000	\$20.150	\$20.418	\$23.359	\$24.114
245.1-250.0	84.6	\$0.000	\$14.123	\$0.000	\$20.430	\$20.698	\$23.639	\$24.394
250.1-255.0	86.3	\$0.000	\$14.402	\$0.000	\$20.709	\$20.977	\$23.918	\$24.673
255.1-260.0	88.0	\$0.000	\$14.682	\$0.000	\$20.989	\$21.257	\$24.198	\$24.953

LIGHT EMITTING DIODE (LED) LAMPS CONVERSION						ADJUSTMENT	
(with LED Surcharge)						LS-1A, C, D, E & F	
ALL NIGHT RATES					HALF-HOUR		
PER LAMP PER MONTH					ADJUSTMENT		
LS-1A	LS-1C	LS-1D	LS-1E	LS-1F			
\$6.668	\$9.476	\$9.744	\$22.639	\$13.440		\$9.482	
\$6.959	\$9.756	\$10.024	\$22.919	\$13.720		\$9.773	
\$7.250	\$10.035	\$10.303	\$23.198	\$13.999		\$10.064	
\$7.541	\$10.315	\$10.583	\$23.478	\$14.279		\$10.355	
\$7.832	\$10.595	\$10.863	\$23.758	\$14.559		\$10.646	
\$8.123	\$10.874	\$11.142	\$24.037	\$14.838		\$10.937	
\$8.414	\$11.154	\$11.422	\$24.317	\$15.118		\$11.228	
\$8.705	\$11.433	\$11.701	\$24.596	\$15.397		\$11.519	
\$8.996	\$11.713	\$11.981	\$24.876	\$15.677		\$11.810	
\$9.287	\$11.993	\$12.261	\$25.156	\$15.957		\$12.101	
\$9.578	\$12.272	\$12.540	\$25.435	\$16.236		\$12.392	
\$9.870	\$12.552	\$12.820	\$25.715	\$16.516		\$12.684	
\$10.178	\$12.848	\$13.116	\$26.011	\$16.812		\$12.992	
\$10.469	\$13.128	\$13.396	\$26.291	\$17.092		\$13.283	
\$10.760	\$13.407	\$13.675	\$26.570	\$17.371		\$13.574	
\$11.051	\$13.687	\$13.955	\$26.850	\$17.651		\$13.865	
\$11.342	\$13.967	\$14.235	\$27.130	\$17.931		\$14.156	
\$11.633	\$14.246	\$14.514	\$27.409	\$18.210		\$14.447	
\$11.924	\$14.526	\$14.794	\$27.689	\$18.490		\$14.738	
\$12.215	\$14.806	\$15.074	\$27.969	\$18.770		\$15.029	
\$12.506	\$15.085	\$15.353	\$28.248	\$19.049		\$15.320	
\$12.797	\$15.365	\$15.633	\$28.528	\$19.329		\$15.611	
\$13.088	\$15.644	\$15.912	\$28.807	\$19.608		\$15.902	
\$13.379	\$15.924	\$16.192	\$29.087	\$19.888		\$16.193	
\$13.687	\$16.220	\$16.488	\$29.383	\$20.184		\$16.501	
\$13.978	\$16.500	\$16.768	\$29.663	\$20.464		\$16.792	
\$14.269	\$16.779	\$17.047	\$29.942	\$20.743		\$17.083	
\$14.560	\$17.059	\$17.327	\$30.222	\$21.023		\$17.374	
\$14.851	\$17.339	\$17.607	\$30.502	\$21.303		\$17.665	
\$15.142	\$17.618	\$17.886	\$30.781	\$21.582		\$17.956	
\$15.434	\$17.898	\$18.166	\$31.061	\$21.862		\$18.248	
\$15.725	\$18.178	\$18.446	\$31.341	\$22.142		\$18.539	
\$16.016	\$18.457	\$18.725	\$31.620	\$22.421		\$18.830	
\$16.307	\$18.737	\$19.005	\$31.900	\$22.701		\$19.121	
\$16.598	\$19.016	\$19.284	\$32.179	\$22.980		\$19.412	
\$16.889	\$19.296	\$19.564	\$32.459	\$23.260		\$19.703	
\$17.197	\$19.592	\$19.860	\$32.755	\$23.556		\$20.011	
\$17.488	\$19.872	\$20.140	\$33.035	\$23.836		\$20.302	
\$17.779	\$20.151	\$20.419	\$33.314	\$24.115		\$20.593	
\$18.070	\$20.431	\$20.699	\$33.594	\$24.395		\$20.884	
\$18.361	\$20.711	\$20.979	\$33.874	\$24.675		\$21.175	
\$18.652	\$20.990	\$21.258	\$34.153	\$24.954		\$21.466	
\$18.943	\$21.270	\$21.538	\$34.433	\$25.234		\$21.757	
\$19.234	\$21.550	\$21.818	\$34.713	\$25.514		\$22.048	
\$19.525	\$21.829	\$22.097	\$34.992	\$25.793		\$22.339	
\$19.816	\$22.109	\$22.377	\$35.272	\$26.073		\$22.630	
\$20.107	\$22.389	\$22.657	\$35.552	\$26.353		\$22.921	
\$20.398	\$22.668	\$22.936	\$35.831	\$26.632		\$23.212	
\$20.706	\$22.964	\$23.232	\$36.127	\$26.928		\$23.520	
\$20.998	\$23.244	\$23.512	\$36.407	\$27.208		\$23.812	
\$21.289	\$23.523	\$23.791	\$36.686	\$27.487		\$24.103	
\$21.580	\$23.803	\$24.071	\$36.966	\$27.767		\$24.394	

Pacific Gas & Electric Company
1-1-19 Rate Change - TO19 Settled, GRC new Res BQs & DWR Bond
1/1/19

LIGHT EMITTING DIODE (LED) LAMPS
TOTAL RATES (FACILITY + ENERGY CHGS)

NOMINAL LAMP RATINGS		ALL NIGHT RATES PER LAMP PER MONTH	HALF-HOUR ADJUSTMENT	ALL NIGHT RATES PER LAMP PER MONTH				
Lamp Watts	Average kWh Per Month	LS-2A	LS-1A, C, E, F & LS-2A	LS-1A	LS-1C	LS-1D	LS-1E	LS-1F
260.1-265.0	89.7	\$0.000	\$14.962	\$0.000	\$21.269	\$21.537	\$24.478	\$25.233
265.1-270.0	91.4	\$0.000	\$15.241	\$0.000	\$21.548	\$21.816	\$24.757	\$25.512
270.1-275.0	93.1	\$0.000	\$15.521	\$0.000	\$21.828	\$22.096	\$25.037	\$25.792
275.1-280.0	94.8	\$0.000	\$15.801	\$0.000	\$22.108	\$22.376	\$25.317	\$26.072
280.1-285.0	96.5	\$0.000	\$16.080	\$0.000	\$22.387	\$22.655	\$25.596	\$26.351
285.1-290.0	98.2	\$0.000	\$16.360	\$0.000	\$22.667	\$22.935	\$25.876	\$26.631
290.1-295.0	99.9	\$0.000	\$16.640	\$0.000	\$22.947	\$23.215	\$26.156	\$26.911
295.1-300.0	101.6	\$0.000	\$16.919	\$0.000	\$23.226	\$23.494	\$26.435	\$27.190
300.1-305.0	103.4	\$0.000	\$17.215	\$0.000	\$23.522	\$23.790	\$26.731	\$27.486
305.1-310.0	105.1	\$0.000	\$17.495	\$0.000	\$23.802	\$24.070	\$27.011	\$27.766
310.1-315.0	106.8	\$0.000	\$17.775	\$0.000	\$24.082	\$24.350	\$27.291	\$28.046
315.1-320.0	108.5	\$0.000	\$18.054	\$0.000	\$24.361	\$24.629	\$27.570	\$28.325
320.1-325.0	110.2	\$0.000	\$18.334	\$0.000	\$24.641	\$24.909	\$27.850	\$28.605
325.1-330.0	111.9	\$0.000	\$18.613	\$0.000	\$24.920	\$25.188	\$28.129	\$28.884
330.1-335.0	113.6	\$0.000	\$18.893	\$0.000	\$25.200	\$25.468	\$28.409	\$29.164
335.1-340.0	115.3	\$0.000	\$19.173	\$0.000	\$25.480	\$25.748	\$28.689	\$29.444
340.1-345.0	117.0	\$0.000	\$19.452	\$0.000	\$25.759	\$26.027	\$28.968	\$29.723
345.1-350.0	118.7	\$0.000	\$19.732	\$0.000	\$26.039	\$26.307	\$29.248	\$30.003
350.1-355.0	120.4	\$0.000	\$20.012	\$0.000	\$26.319	\$26.587	\$29.528	\$30.283
355.1-360.0	122.1	\$0.000	\$20.291	\$0.000	\$26.598	\$26.866	\$29.807	\$30.562
360.1-365.0	123.9	\$0.000	\$20.587	\$0.000	\$26.894	\$27.162	\$30.103	\$30.858
365.1-370.0	125.6	\$0.000	\$20.867	\$0.000	\$27.174	\$27.442	\$30.383	\$31.138
370.1-375.0	127.3	\$0.000	\$21.147	\$0.000	\$27.454	\$27.722	\$30.663	\$31.418
375.1-380.0	129.0	\$0.000	\$21.426	\$0.000	\$27.733	\$28.001	\$30.942	\$31.697
380.1-385.0	130.7	\$0.000	\$21.706	\$0.000	\$28.013	\$28.281	\$31.222	\$31.977
385.1-390.0	132.4	\$0.000	\$21.985	\$0.000	\$28.292	\$28.560	\$31.501	\$32.256
390.1-395.0	134.1	\$0.000	\$22.265	\$0.000	\$28.572	\$28.840	\$31.781	\$32.536
395.1-400.0	135.8	\$0.000	\$22.545	\$0.000	\$28.852	\$29.120	\$32.061	\$32.816

LED lights are only applicable to LS-1A, 1C, 1E and 1F

LIGHT EMITTING DIODE (LED) LAMPS CONVERSION
(with LED Surcharge)

ALL NIGHT RATES PER LAMP PER MONTH					HALF-HOUR ADJUSTMENT
LS-1A	LS-1C	LS-1D	LS-1E	LS-1F	LS-1A, C, D, E & F
\$21.871	\$24.083	\$24.351	\$37.246	\$28.047	\$24.685
\$22.162	\$24.362	\$24.630	\$37.525	\$28.326	\$24.976
\$22.453	\$24.642	\$24.910	\$37.805	\$28.606	\$25.267
\$22.744	\$24.922	\$25.190	\$38.085	\$28.886	\$25.558
\$23.035	\$25.201	\$25.469	\$38.364	\$29.165	\$25.849
\$23.326	\$25.481	\$25.749	\$38.644	\$29.445	\$26.140
\$23.617	\$25.761	\$26.029	\$38.924	\$29.725	\$26.431
\$23.908	\$26.040	\$26.308	\$39.203	\$30.004	\$26.722
\$24.216	\$26.336	\$26.604	\$39.499	\$30.300	\$27.030
\$24.507	\$26.616	\$26.884	\$39.779	\$30.580	\$27.321
\$24.798	\$26.896	\$27.164	\$40.059	\$30.860	\$27.612
\$25.089	\$27.175	\$27.443	\$40.338	\$31.139	\$27.903
\$25.380	\$27.455	\$27.723	\$40.618	\$31.419	\$28.194
\$25.671	\$27.734	\$28.002	\$40.897	\$31.698	\$28.485
\$25.962	\$28.014	\$28.282	\$41.177	\$31.978	\$28.776
\$26.253	\$28.294	\$28.562	\$41.457	\$32.258	\$29.067
\$26.544	\$28.573	\$28.841	\$41.736	\$32.537	\$29.358
\$26.835	\$28.853	\$29.121	\$42.016	\$32.817	\$29.649
\$27.126	\$29.133	\$29.401	\$42.296	\$33.097	\$29.940
\$27.418	\$29.412	\$29.680	\$42.575	\$33.376	\$30.232
\$27.726	\$29.708	\$29.976	\$42.871	\$33.672	\$30.540
\$28.017	\$29.988	\$30.256	\$43.151	\$33.952	\$30.831
\$28.308	\$30.268	\$30.536	\$43.431	\$34.232	\$31.122
\$28.599	\$30.547	\$30.815	\$43.710	\$34.511	\$31.413
\$28.890	\$30.827	\$31.095	\$43.990	\$34.791	\$31.704
\$29.181	\$31.106	\$31.374	\$44.269	\$35.070	\$31.995
\$29.472	\$31.386	\$31.654	\$44.549	\$35.350	\$32.286
\$29.763	\$31.666	\$31.934	\$44.829	\$35.630	\$32.577

Decorative LED lights are only applicable to LS-1D

EXHIBIT B

SERVICE OF NOTICE OF APPLICATION

In accordance with Rule 3.2(b), Applicant will mail a notice to the following, stating in general terms its proposed change in rates.

State of California

To the Attorney General and the Department of General Services.

State of California
Office of Attorney General
1300 I St Ste 1101
Sacramento, CA 95814

and

Department of General Services
Office of Buildings & Grounds
505 Van Ness Avenue, Room 2012
San Francisco, CA 94102

Counties

To the County Counsel or District Attorney and the County Clerk in the following counties:

Alameda	Mariposa	Santa Clara
Alpine	Mendocino	Santa Cruz
Amador	Merced	Shasta
Butte	Modoc	Sierra
Calaveras	Monterey	Siskiyou
Colusa	Napa	Solano
Contra Costa	Nevada	Sonoma
El Dorado	Placer	Stanislaus
Fresno	Plumas	Sutter
Glenn	Sacramento	Tehama
Humboldt	San Benito	Trinity
Kern	San Bernardino	Tulare
Kings	San Francisco	Tuolumne
Lake	San Joaquin	Yolo
Lassen	San Luis Obispo	Yuba
Madera	San Mateo	
Marin	Santa Barbara	

Municipal Corporations

To the City Attorney and the City Clerk of the following municipal corporations:

Alameda	Colusa	Hanford
Albany	Concord	Hayward
Amador City	Corcoran	Healdsburg
American Canyon	Corning	Hercules
Anderson	Corte Madera	Hillsborough
Angels Camp	Cotati	Hollister
Antioch	Cupertino	Hughson
Arcata	Daly City	Huron
Arroyo Grande	Danville	Ione
Arvin	Davis	Isleton
Atascadero	Del Rey Oaks	Jackson
Atherton	Dinuba	Kerman
Atwater	Dixon	King City
Auburn	Dos Palos	Kingsburg
Avenal	Dublin	Lafayette
Bakersfield	East Palo Alto	Lakeport
Barstow	El Cerrito	Larkspur
Belmont	Elk Grove	Lathrop
Belvedere	Emeryville	Lemoore
Benicia	Escalon	Lincoln
Berkeley	Eureka	Live Oak
Biggs	Fairfax	Livermore
Blue Lake	Fairfield	Livingston
Brentwood	Ferndale	Lodi
Brisbane	Firebaugh	Lompoc
Buellton	Folsom	Loomis
Burlingame	Fort Bragg	Los Altos
Calistoga	Fortuna	Los Altos Hills
Campbell	Foster City	Los Banos
Capitola	Fowler	Los Gatos
Carmel	Fremont	Madera
Ceres	Fresno	Manteca
Chico	Galt	Maricopa
Chowchilla	Gilroy	Marina
Citrus Heights	Gonzales	Mariposa
Clayton	Grass Valley	Martinez
Clearlake	Greenfield	Marysville
Cloverdale	Gridley	McFarland
Clovis	Grover Beach	Mendota
Coalinga	Guadalupe	Menlo Park
Colfax	Gustine	Merced
Colma	Half Moon Bay	Mill Valley

Millbrae
Milpitas
Modesto
Monte Sereno
Monterey
Moraga
Morgan Hill
Morro Bay
Mountain View
Napa
Newark
Nevada City
Newman
Novato
Oakdale
Oakland
Oakley
Orange Cove
Orinda
Orland
Oroville
Pacific Grove
Pacifica
Palo Alto
Paradise
Parlier
Paso Robles
Patterson
Petaluma
Piedmont
Pinole
Pismo Beach
Pittsburg
Placerville
Pleasant Hill
Pleasanton
Plymouth
Point Arena
Portola
Portola Valley
Rancho Cordova
Red Bluff
Redding
Redwood City
Reedley
Richmond

Ridgecrest
Rio Dell
Rio Vista
Ripon
Riverbank
Rocklin
Rohnert Park
Roseville
Ross
Sacramento
Saint Helena
Salinas
San Anselmo
San Bruno
San Carlos
San Francisco
San Joaquin
San Jose
San Juan Bautista
San Leandro
San Luis Obispo
San Mateo
San Pablo
San Rafael
San Ramon
Sand City
Sanger
Santa Clara
Santa Cruz
Santa Maria
Santa Rosa
Saratoga
Sausalito
Scotts Valley
Seaside
Sebastopol
Selma
Shafter
Shasta Lake
Soledad
Solvang
Sonoma
Sonora
South San Francisco
Stockton
Suisun City

Sunnyvale
Sutter Creek
Taft
Tehama
Tiburon
Tracy
Trinidad
Turlock
Ukiah
Union City
Vacaville
Vallejo
Victorville
Walnut Creek
Wasco
Waterford
Watsonville
West Sacramento
Wheatland
Williams
Willits
Willows
Windsor
Winters
Woodland
Woodside
Yountville
Yuba City